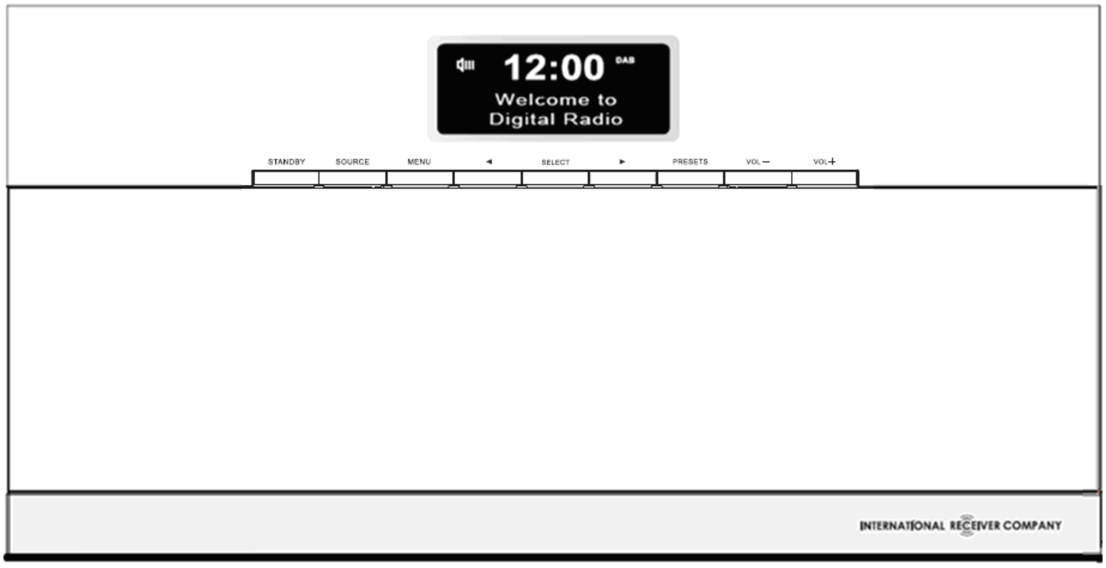
INTERNATIONAL RECEIVER COMPANY

☑ Instruction Manual for IKR1224DAB



Safety Precautions

To achieve the utmost in enjoyment and performance, and in order to become familiar with its features, please read this manual carefully before attempting to operate the unit, this will assure you years of faithful, trouble free performance and listening pleasure.

Important Notes

- This safety and operating instruction should be retained for future reference.
- The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on apparatus.
- Avoid installing the unit in locations described below:
  - Places exposed to direct sunlight or close to heat radiating appliances such as electric heaters.
  - On top of other stereo equipment that radiate too much heat.
  - Places blocking ventilation or dusty places.
  - Places subject to constant vibration.
  - Humid or moist places.
- No naked flame sources such as lighted candles should be placed on or near the unit;
- The use of apparatus in moderate climates.
- Operate turning controls and switches as instructed in the manual.
- Before turning on the power for the first time, make sure the power cord is properly installed.

For safety reasons, do not remove any covers or attempt to gain access to the inside of the product. Refer any servicing to qualified personnel.
Do not attempt to remove any screws, or open the casing of the unit; there are no user serviceable parts inside, refer all servicing to qualified service personnel.



CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT REMOVE COVER (OR BACK), NO USER SERVICEABLE PARTS INSIDE, REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



DANGEROUS VOLTAGE

Dangerous Voltages, that may be of sufficient magnitude to constitute a risk of electric shock to persons is present within this product’s enclosure.



ATTENTION

The owner’s manual contains important operating and maintenance instructions, for your safety, it is necessary to refer to the manual.

WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO DRIPPING OR SPLASHING.

Note: This unit will become warm when used for a long period of time. This is normal and does not indicate a problem with the unit.

Safety Information

Some Do's and Don'ts on the safe use of equipment

This equipment has been designed and manufactured to meet international safety standards but, like any electrical equipment, care must be taken if you are to obtain the best results and safety is to be assured.

DO read the operating instructions before you attempt to use the equipment.

DO ensure that all electrical connections (including the mains plug, extension leads and inter-connections between the pieces of equipment) are properly made and in accordance with the manufacturer's instructions. Switch off and withdraw the mains plug before making or changing connections.

DO consult your dealer if you are ever in doubt about the installation, operation or safety of your equipment.

DON'T remove any fixed cover as this may expose dangerous voltages.

Overheating will cause damage and shorten the life of the equipment.

DON'T allow electrical equipment to be exposed to dripping or splashing, or objects filled with liquids, such as vases, to be placed on the equipment.

DON'T place hot objects or naked flame sources such as lighted candles or nightlights on, or close to equipment. High temperatures can melt plastic and lead to fires.

DON'T use equipment such as personal stereos or radios so that you are distracted from the requirements of traffic safety.

DON'T listen to headphones at high volume, as such use can permanently damage your hearing.

DON'T leave equipment switched on when it is unattended unless it is specifically stated that it is designed for unattended operation. Switch off using the switch on the equipment and make sure that your family knows how to do this. Special arrangements may need to be made for infirm or handicapped people.

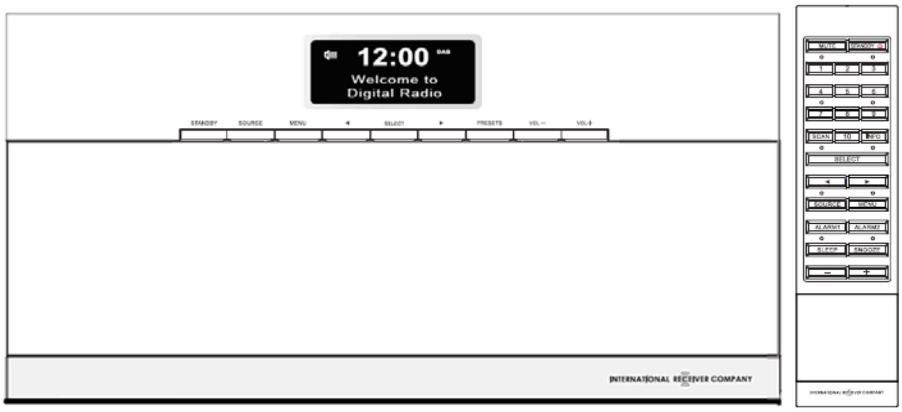
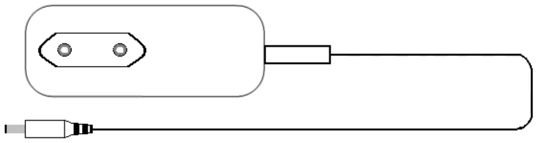
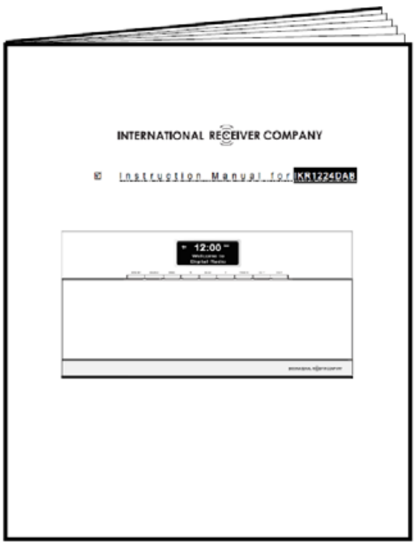
DON'T continue to operate the equipment if you are in any doubt about if it's working normally or if it's damaged in any way. Switch it off and withdraw the mains plug and consult your dealer.

ESD Remark: In case of malfunction due to electrostatic discharge just reset the product (reconnection of power source may be required) to resume normal operation.

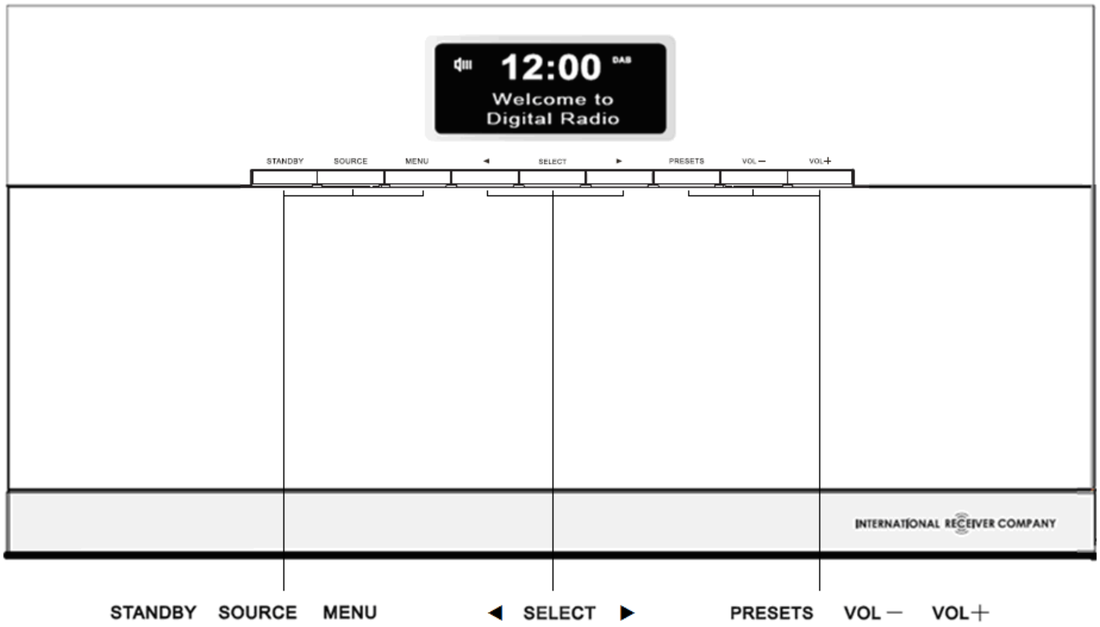
NOTE: In the unlikely event of a problem with your product please return to the store where your purchase was made.

Table of Contents

Package Content

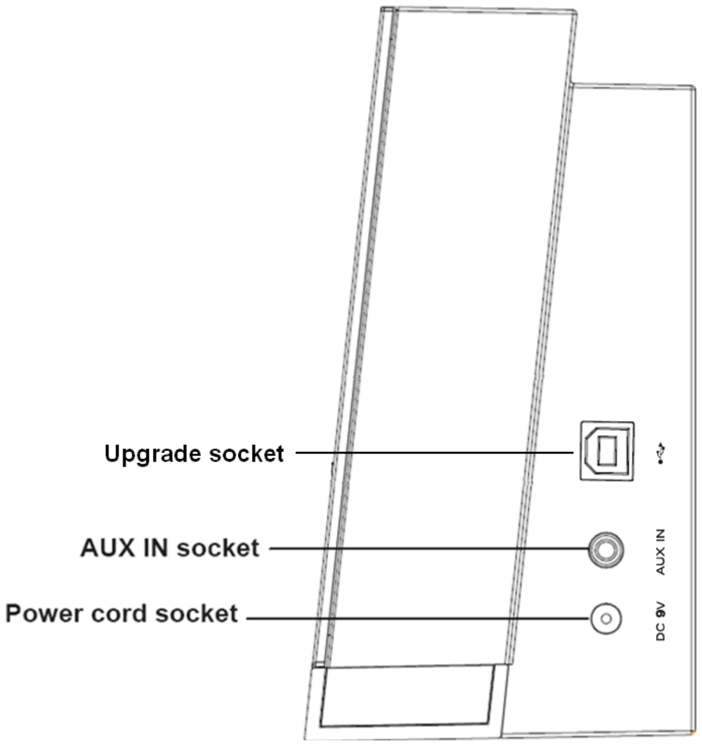
Main Unit	
Adapter	
Instruction booklet	

Front Overview



Control	All mode
STANDBY	a. Press to turn on/off Radio b. When alarm is coming, press to turn alarm off
SOURCE	Press to shift to another mode
MENU	Press to Main menu and system settings
◄	a. Press ◄ or ► to cycle through options. b. Press **SELECT** confirm c. **FM mode**: while frequency is showing up, press **SELECT** to auto-searching d. When alarm is sounding, press **SELECT** to postpone the alarm
SELECT	
►	
PRESETS	Press and hold to store presets options, press to recall
VOL -	Press to decrease volume
VOL +	Press to increase volume

Right Side Overview



✍ ***Note**: upgrade socket is for radio technician handle only.*

UNIT BACK VIEW

AUX IN socket:	For connection of the external audio device
Power cord socket:	For connection of power adaptor

DAB MODE

Turn on

1. Extend the antenna found on the back of radio, press **STANDBY** to switch on radio.



2. For initial use, radio will make a full scan and store all detected stations into memory. Once the scanning is completed, the DAB/DAB+ stations will be displayed in alphanumeric order. The first station in the list would be selected.



→



Note*: if no DAB/DAB+ signal is found in your area, it may be necessary for you to relocate your radio.*

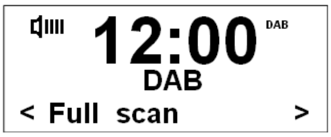
Change to another DAB/DAB+ Station

While a program is playing, press ◀ or ▶to cycle through available stations, press **SELECT** to confirm and then your radio will connect the station you currently appointed.

Update Stations List

Note*: to do this order, placing your radio to stronger signal position is highly recommending!*

1. Press **MENU,** and then press ▶ to '**Full scan**', press **SELECT** to confirm.



→



After a while, the radio is scanning all the DAB/DAB+ channels and add any new available stations to the station list.

View Station Information

Note*: It is possible to view t more information that is displayed on the second line of the display.*

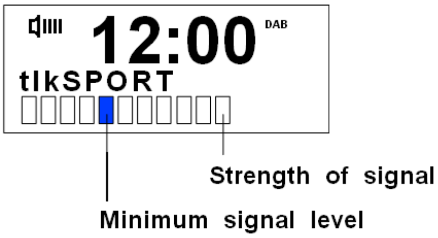
1. Press **MENU**, and it will show '**Display**', press **SELECT** to confirm.

2. Press ◀ or ▶ to check through the options: '**Scrolling text**', '**Signal strength**', '**Program Type**', '**Ensemble**', '**Frequency**', '**Bit rate and code**', '**Format**', and '**Date**'.

3. Press **SELECT** to confirm your target option.

To Show the Signal Strength

During play a DAB/DAB+ program, the path for showing current station's signal strength is pressing **MENU → Display → Signal strength**, press **SELECT** to confirm. The LCD screen display will show a signal bar with the strength of the current station.



The indicator on the signal bar shows the minimum acceptable signal level.

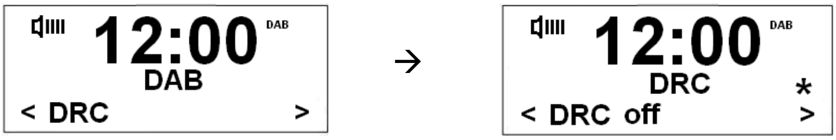
Note: *Stations with signal strength below the minimum signal level will not provide a steady stream of audio.*

DRC (Dynamic Range Control) value

You can set the level of the compression stations to eliminate the differences in dynamic range or sound level between radio stations.

Note: *Set DRC to* ***off*** *indicates no compression,*
set DRC to ***low*** *indicates little compression,*
set DRC to ***high*** *shows maximum compression.*

1. Press **MENU**, and then press ◀ or ▶ to < **DRC** >, press **SELECT** to confirm.

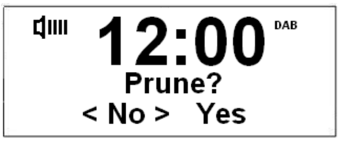


2. Press ◀ or ▶ to your expected option, press **SELECT** to confirm.

The way to Prune

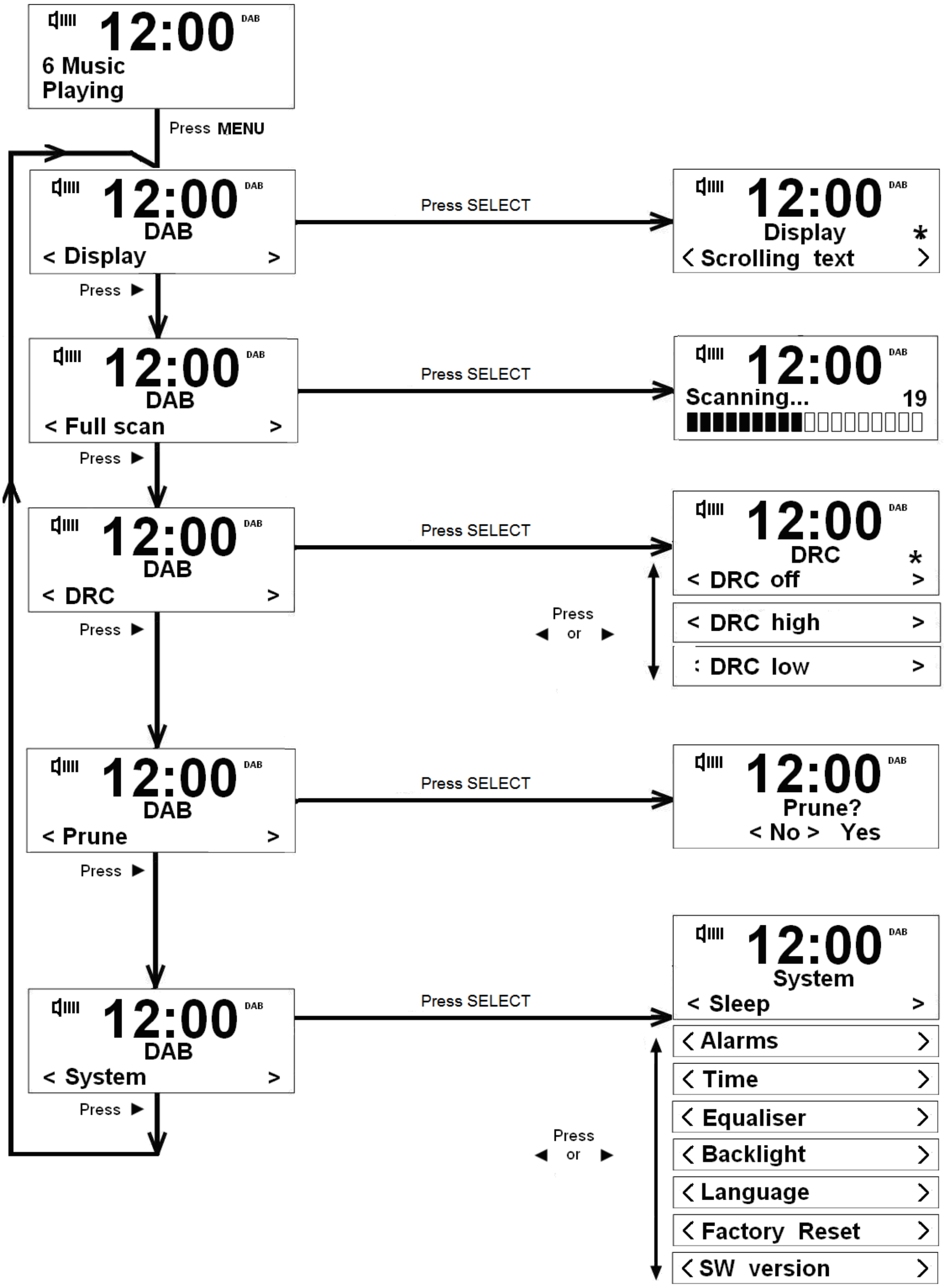
Note*: doing this can have only active broadcasting stations available.*

1. Press **MENU**, press ◀ or ▶ to < **Prune** >, press **SELECT** to confirm.



2. Press ◀ or ▶ to '**Yes**', press **SELECT** to confirm.

DAB/DAB+ Menu Tree



FM MODE

Tune in FM Mode

1. Press **SOURCE** to switch your radio from DAB mode to FM mode.

2. For initial use, it will start at the beginning of the FM frequency range (87.50MHz).
   Otherwise, the last listened FM station should be selected.



3. To manually change FM frequency, while frequency is showing up, press ◀ or ▶ to change it 0.05MHz per step.

4. To automatically scan FM available stations, while frequency is showing up, simply press **SELECT**.
   The unit will display the frequency changing until it stops at the next station.

Scan setting

☑ By default, FM scans stop at any available station. This may result in a poor signal-to-noise ratio (hiss) from weak stations.

☑ To change the scan settings to stop only at stations with good signal strength, 2 steps:

1. Press **MENU**, and then press ▶ to '**Scan Setting**', press **SELECT** to confirm.



→



2. Press ◀ or ▶ to '**Strong stations only**', press **SELECT** to confirm.

Audio Settings

☑ By default, all stereo stations are reproduced in stereo. For weak stations, this may result in a poor signal-to-noise ratio (hiss).

☑ To play weak stations in mono, 2 steps:

1. Press **MENU**, press ◀ or ▶ to '**Audio setting**', press **SELECT** to confirm.



→



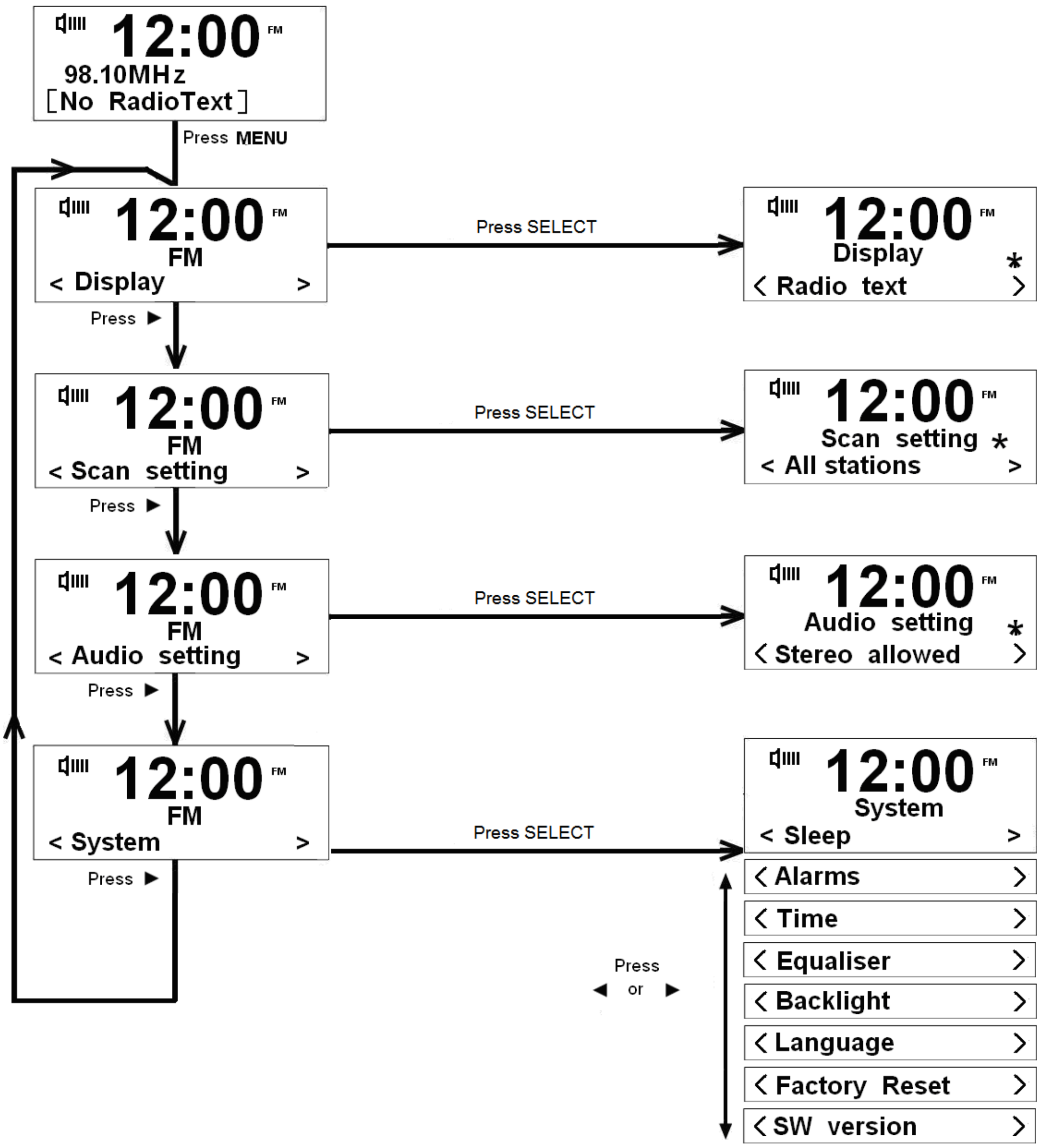
2. Press ◀ or ▶ to '**Forced mono**', press **SELECT** to confirm.

View Station Information

Note: It is possible to view more information that is displayed on the second line of the display.

1. Press **MENU**, and it will show '**Display**', press **SELECT** to confirm.
2. Press ◀ or ▶ to check through the options: '**Radio text**', '**Program Type**', '**PS**' (currently program name), '**Audio info**' and '**Date**'.
3. While your target option is showing up, press **SELECT** to confirm.

FM Menu Tree

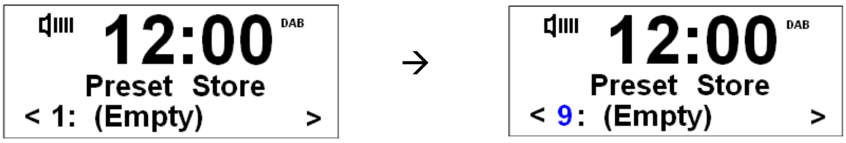


GENERAL OPERATION

Set Station Presets

Note: this function is for DAB/DAB+ and FM mode use only.

1. While playing your favourite station, press and hold **PRESETS**, and then press ◀ or ▶ to cycle through the preset stations store numbers1-10.



2. Then select your preferred preset station number and press **SELECT** to confirm.

Play a Preset Station

Note: this function is for DAB/DAB+ and FM mode use only.

To select a stored station:

1. Press **SOURCE** to select the mode you wish to play, press **PRESETS** to enter '**Preset Recall**' setting.

2. Press ◀ or ▶ to select your preset number and then press **SELECT** to confirm.

AUX IN MODE

Note: *AUX IN allows for quick and easy connection of an MP3 player or other external sound sources.*

1. Switch Radio on and press **SOURCE** repeatedly until < **Auxiliary Input Mode** > is appeared.



2. Through a 3.5mm cable connection, a high quality digital audio source can be automatically output through the radio.
3. Connect one end of the cable lead to the headphone (or auxiliary out) socket of your source device, the other end connect to AUX IN socket at the backside of your radio.

4. To gain optimal volume levels, adjusting the output volume level on both the source device is recommended.

System setup

The way to enter System Setup

1. Press **MENU**, and then press ◀ or ▶ to < **System** >, press **SELECT** to confirm.
2. Press ◀ or ▶ to cycle through the System Menu options: ‘**Sleep**’, ‘**Alarms**’, ‘**Time**’, ‘**Equaliser**’, ‘**Backlight**’, ‘**Language**’, ‘**Factory Reset**’ and ‘**SW Version**’.

Set Sleep

✍ ***Note**: you might want your radio turn itself off after a certain time, follow below steps, it can be easily achieved.*

1. Refer to above steps1-2, while cursor point to ‘**Sleep**’, press **SELECT** to confirm, it will show: ‘**Set sleep time ------- sleep off**’.
2. Press ◀ or ▶ to define the sleep period: off/15/30/45/60/90 minutes.
3. Press **SELECT** to confirm your expecting period, meanwhile sleep icon ⏲ hop on



5. Want check how long the sleeping time can be reached? Select < **Sleep** > option again and then press **SELECT**.
6. Radio will automatically switch to standby mode after the set time has elapsed.
7. To continue enjoying your program, press **STANDBY**.

Set Time

It can be activated from ‘**System**’→ ‘**Time**’, press **SELECT** to confirm.

A range of time settings are available, which include the functionality to set:

☑ Set 12/24 hour: Set 24 hour’ and ‘Set 12 hour

☑ Set Time/Date: manually setting

☑ Auto update: ‘Update from DAB’ and ‘No update’

☑ Set date format: ‘DD-MM-YYYY’ and ‘MM-DD-YYYY’

Set Alarm

✍ ***Note**: Setting Alarm, make sure Clock time is set at first.*

1. It can be activated from '**System**'→ '**Alarms**', press **SELECT** to confirm.
2. Press ◀ or ▶ to your target alarm: '**alarm 1**' or '**alarm 2**'.
3. Let's take set alarm 1 as example, while 'alarm 1' is showing up, press **SELECT** to confirm.
4. While it shows: **"Alarm 1 Setup**", press **SELECT** to confirm.
5. Now, follow your radio instruction, configure the following parameters:

   * **Alarm states**: On or Off, press ◀ or ▶to '**On**', press **SELECT**.
   * **On Time**: 00:00 (**alarm sound time**)
   * **Duration Time**: 15/30/45/60/90mintues

     ✍ ***Note**: The alarm will sound until the selected duration time is finished.*

   * **Source**: DAB, FM or Buzzer
   * **Set Days**: Daily, Once, Weekends or Weekdays
   * **Volume level**: remember don't set your radio volume level to zero (Mute), otherwise, when alarm is coming, it won't be heard.

- **Postpone Alarm Off:**

  When alarm is coming, press **SELECT** to postpone alarm, repeatedly press **SELECT** to postpone alarm 5, 10 minutes in turn. Radio will perform counting backward and sound again after it reaches this setting.

- **Turn off Alarm off:**

  When alarm is sound, press **STANDBY** to turn alarm off.

- **To cancel the Alarm:**

  Refer to above steps1-5, set '**Alarm states'** to '**Off**', and then follow your radio's instructions, until it shows '**Alarm saved**'.

SW Version

✍ ***Note**: The helpdesk may ask you for the software version of your product.*

It can be activated from < **System** > → < **SW version** >. Press **SELECT** to confirm.

Set Equaliser

✍ ***Note**: Equaliser is a user-defined setting through Bass and Treble:*

- ☑ ***Treble** : +3,+2,+1,0,-1,-2,-3 level.*
- ☑ ***Bass** : +3,+2,+1,0,-1,-2,-3 level.*

1. It can be activated from < **System** > → < **Equaliser** >. Press **SELECT** to confirm.
2. Press ◀ or ▶to your preferred option: **Treble** or **Bass**, press **SELECT** to confirm. .
3. Press ◀ or ▶to the level you favor, press **SELECT** to confirm, and it is done!

Set Backlight

✍ ***Note**: You can adjust the backlight level to 'High', 'Medium' and 'Low'. High backlight will make the backlight bright and easy to view. Low backlight will dim the brightness by using less power and making it less distracting at night.*

Under Power on Condition

1. It can be activated from < **System** > → < **Backlight** >. Press **SELECT** to confirm.
2. While cursor point to '**Power On'**, press **SELECT** to confirm.



→



3. Press ◀ or ▶to browse: '**High**', '**Medium**' and '**Low**'. Generally, we set '**high**' for '**Power On**' mode.
4. Press **SELECT** to confirm.

Under Standby Condition

1. Refer to above steps 1-2, then press ◀ or ▶to '**Standby**', press **SELECT** to confirm.
2. Press ◀ or ▶to browse: '**High**', '**Medium**' and '**Low**'. Generally, we set '**low**' for '**Standby**' mode.
3. Press **SELECT** to confirm.

Set Language

1. It can be activated from < **System** > → < **Language** >. Press **SELECT** to confirm.
2. Press ◀ or ▶to your selecting language type, and then press **SELECT** to confirm.

Factory Reset

✍ ***Note**: Doing this will delete all the preset stations, alarms and time settings, and return the radio to its original factory settings.*

1. It can be activated from < **System** > → < **Factory Reset** >. Press **SELECT** to confirm.
2. Press ◀ or ▶to '**Yes**', and then press **SELECT** to confirm.

Specification

ITEMS	DESCRIPTION
Specifications:	DAB/DAB+ and FM Digital Radio
Audio Output:	5Wrms x 2
Frequency Ranges:	FM: 87.5-108MHz DAB/DAB+: 174 – 240MHz
LCD Display:	High resolution display
Power Supply:	AC Power Input: 100-240VAC, 50/60Hz Output: 9VDC, 1A *(please use our provided adapter)*
Dimension:	328mm x 38mm x 214mm



This symbol on the product or in the instructions means that your electrical and electronic equipment should be disposed at the end of its life separately from your household waste. There are separate collection systems for recycling in the EU.

For more information, please contact the local authority or your retailer where you purchased the product.

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